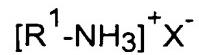


## Patent claims:

1. The use of a mixture of
  - A) at least one compound of the formula
    - 5  $[R^1-NH_3]^+X^-$
- where  $R^1$  is a C<sub>8</sub>-C<sub>22</sub> alkyl radical and  $X^-$  is an anion, and
  - B) a branched fatty acid having a chain length of 8 to 22 carbon atoms
    - 10 as collector in sylvinite flotation.
2. The use as claimed in claim 1, wherein  $R^1$  has a chain length of 12 to 20 carbon atoms.
- 15 3. The use as claimed in claim 1 and/or 2, wherein X is a chloride, formate or acetate anion.
4. The use as claimed in one or more of claims 1 to 3, wherein constituent A is stearylamine acetate.
  - 20 5. The use as claimed in one or more of claims 1 to 4, wherein constituent B is a branched carboxylic acid having 14 to 22 carbon atoms.
  6. The use as claimed in one or more of claims 1 to 5, wherein
    - 25 constituent B is isostearic acid.
  7. The use as claimed in one or more of claims 1 to 6, wherein the mixing ratio of A:B is 90:10 to 10:90.
  - 30 8. The use as claimed in one or more of claims 1 to 7, wherein, in addition, glycols, residues from oxoalcohol synthesis and/or water is present.
  9. The use as claimed in one or more of claims 1 to 8 in amounts of 10
    - 35 to 500 g/t.

10. A composition effective as flotation reagent comprising  
A) at least one compound of the formula



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where  $R^1$  is a C<sub>8</sub>-C<sub>22</sub> alkyl radical and  $X^-$  is an anion, and

- B) a branched fatty acid having a chain length of 8 to 22 carbon atoms,